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EARTHQUAKES OF THE NORTH-EASTERN PART OF THE
BALTIC SHIELD

(Theses)

1. During 300 years over 20 earthquakes with the intensity up to 7-8 grades (usually from 4 to 5 grades) are reported for the investigated region.
2. As a result of the operation of the seismic station "Apatity" equipped with seismographs with the magnification of 1500 since March, 1956 and with high-sensitive seismographs with the magnification of 30000 since July, 1957 a great number of weak local earthquakes are recorded. Many earthquakes of the region are recorded also at the stations of Finland and Sweden, which makes it necessary to practise constant exchange of seismic bulletins.
3. The comparison of the data of perceptible earthquakes on the Kolsky peninsula and in Northern Kareliya with geological and geomorphological data permits to approximately distinguish the main seismogenetic zones, which is partly confirmed by instrumental data for weak earthquakes.
4. The solving of the problem of the Baltic Shield neotectonics requires an extension of the network of seismic stations.